



# Adenovirus hexon protein (8C4): sc-51748

## BACKGROUND

Hexon protein is a major coat protein of Adenoviruses. Adenovirus capsids have three principal protein components: the hexon, the penton and the fiber. Three hexon protein subunits join together forming two major Adenoviral coat structures of differing symmetry. A triangular top with three towers of density is superimposed on a bulky pseudo-hexagonal base. The shape of the top is indicative of the trimeric composition of the structure, while that of the base imparts molecular function, which is to provide a densely packed impenetrable protective outer layer for the virion. Research indicates that the Adenovirus hexon protein may be a potent adjuvant for activation of a cellular immune response.

## REFERENCES

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## SOURCE

Adenovirus hexon protein (8C4) is a mouse monoclonal antibody raised against hexon antigen of Adenovirus origin.

## RESEARCH USE

For research use only, not for use in diagnostic procedures.

## PRODUCT

Each vial contains 100 µg IgG<sub>2a</sub> in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

## APPLICATIONS

Adenovirus hexon protein (8C4) is recommended for detection of hexon antigen of Adenovirus serotype 5 of Adenovirus origin by immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and flow cytometry (1 µg per 1 x 10<sup>6</sup> cells).

Molecular Weight of Adenovirus hexon protein: 117 kDa.

## SELECT PRODUCT CITATIONS

- Valliyott, L., Dungdung, R. and Pilankatta, R. 2020. Semi-quantification of antibody-dependent enhancement (ADE) in the uptake of Adenovirus serotype 5 into THP-1 cells. *Anal. Biochem.* 591: 113568.
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## STORAGE

Store at 4° C, **\*\*DO NOT FREEZE\*\***. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.